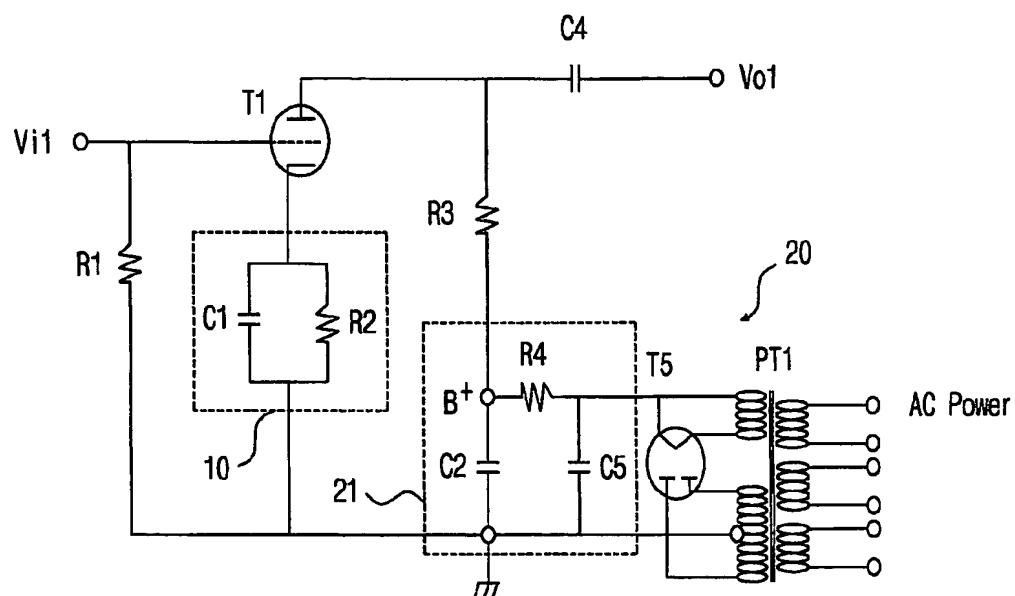


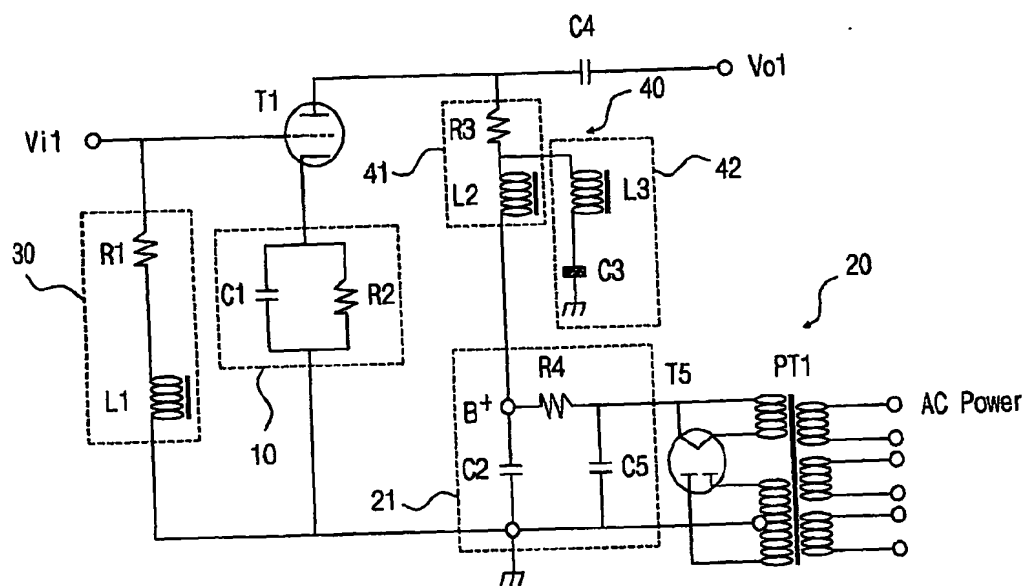
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Fig.1



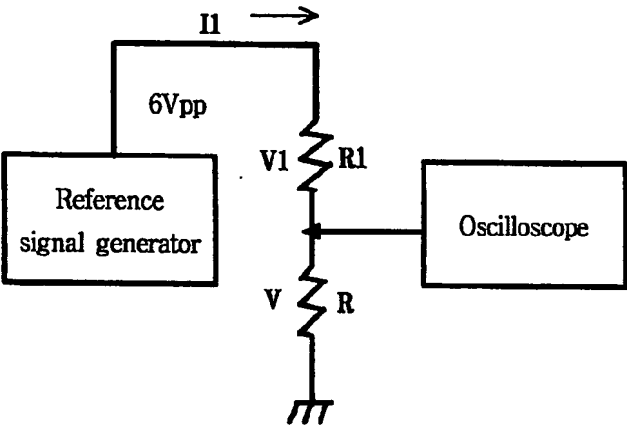
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Fig.2A



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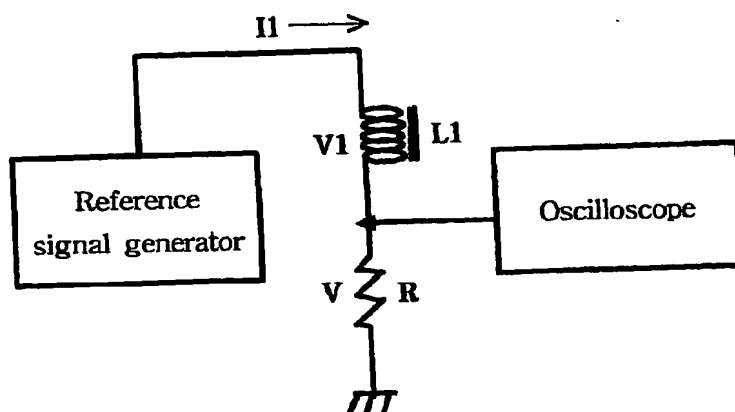
Fig.2B



Frequency(f)	Voltage(V1)	Voltage(V)	Resistor(R1)
20 Hz	3.6 V	2.4 V	270 K Ω
100 Hz	3.6 V	2.4 V	270 K Ω
3 KHz	3.6 V	2.4 V	270 K Ω
10 KHz	4 V	2 V	270 K Ω
15 KHz	4.2 V	1.8 V	270 K Ω
20 KHz	4.4 V	1.6 V	270 K Ω

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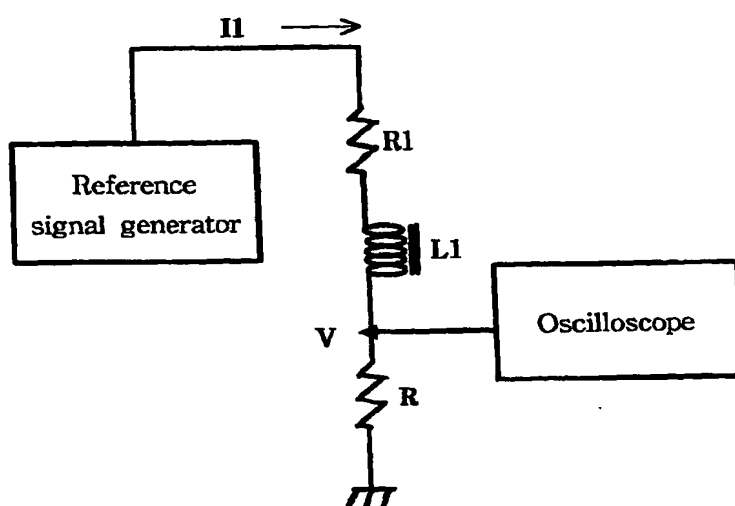
Fig.2C



Frequency(f)	Voltage(V1)	Voltage(V)	AC resistance(L1)
20 Hz	0 V	6 V	628 Ω
100 Hz	0.4 V	5.6 V	3.14 K Ω
3 KHz	1.4 V	4.6 V	94.2 K Ω
10 KHz	2.4 V	3.6 V	341 K Ω
15 KHz	2 V	4 V	471 K Ω
20 KHz	2 V	4 V	628 K Ω

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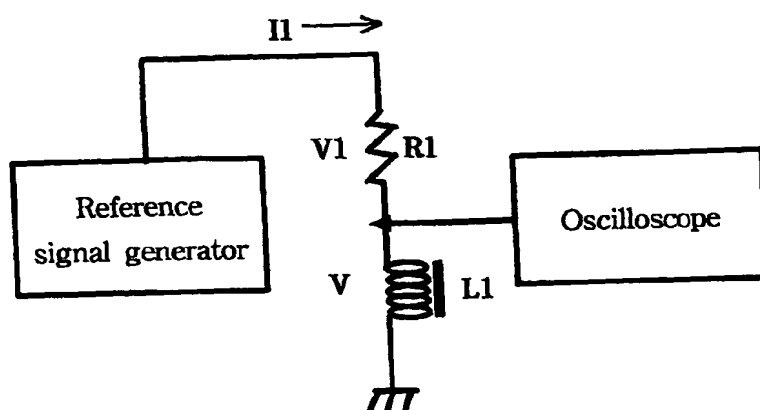
Fig.2D



Frequency(f)	Voltage(V1)	Voltage(V)	AC resistance(L1)
20 Hz	2.4 V	270 K Ω	628 Ω
100 Hz	2.4 V	270 K Ω	3.14 K Ω
3 KHz	2.4 V	270 K Ω	94.2 K Ω
10 KHz	1.6 V	270 K Ω	341 K Ω
15 KHz	1.6 V	270 K Ω	471 K Ω
20 KHz	1.2 V	270 K Ω	628 K Ω

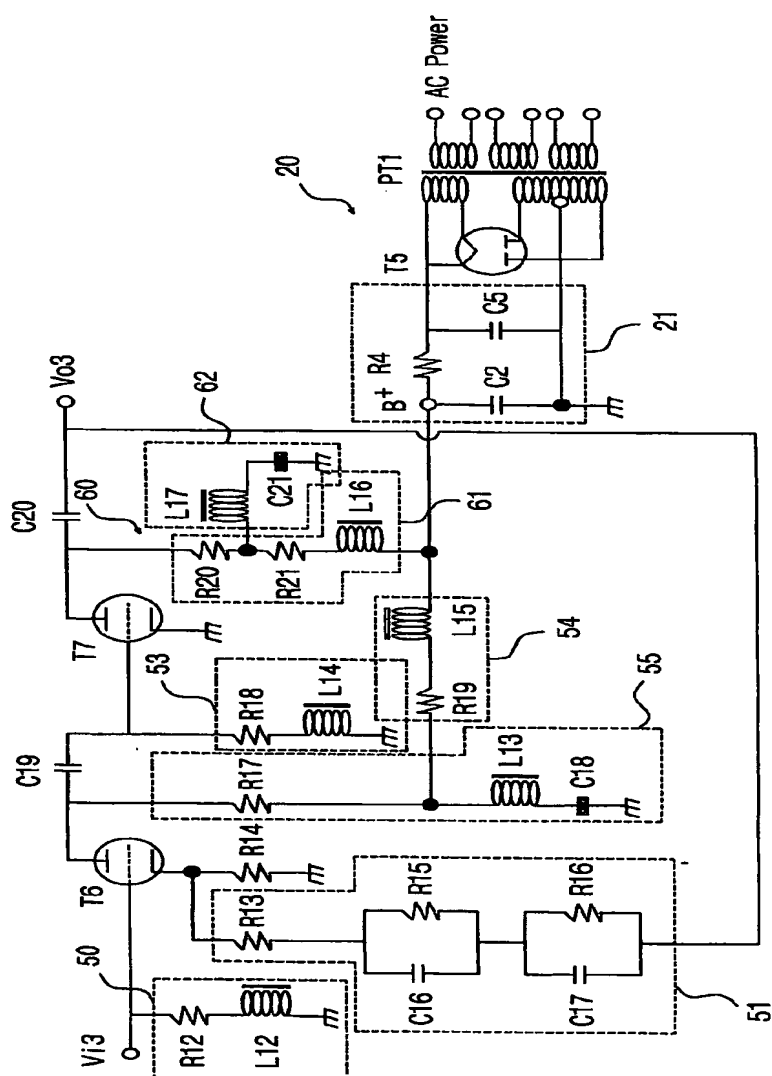
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Fig.2E



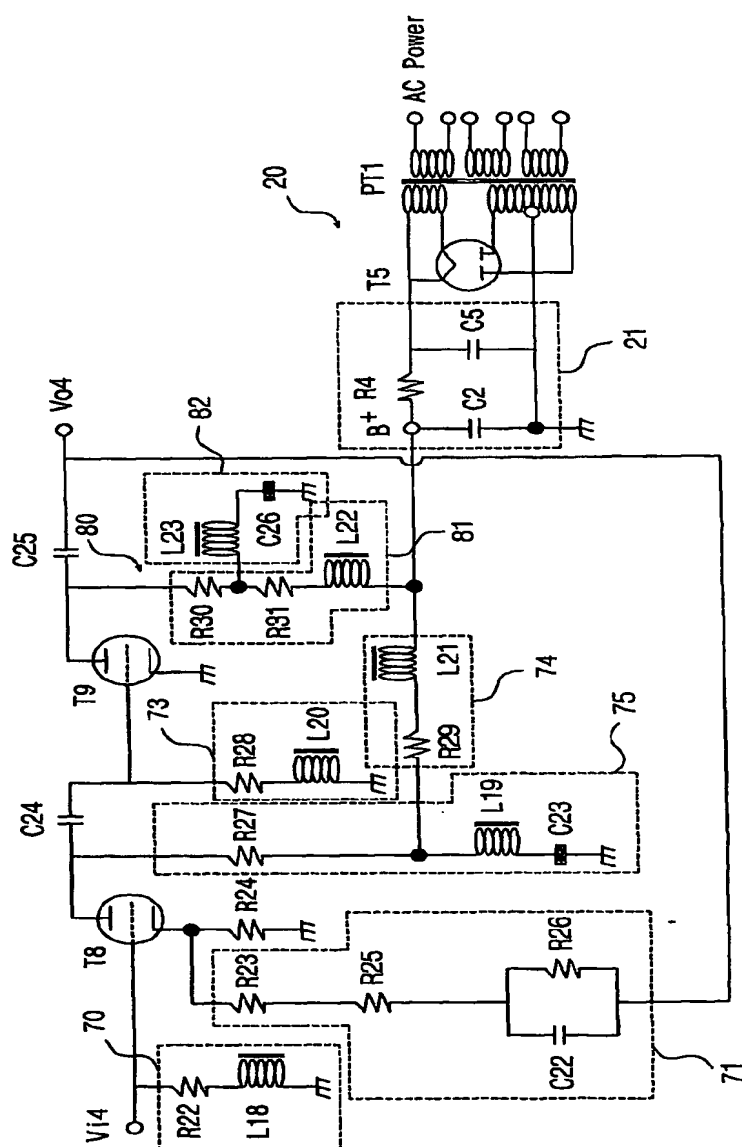
Frequency(f)	Voltage(V1)	Voltage(V)	AC resistance(L1)
20 Hz	6 V	0 V	628 Ω
100 Hz	5.8 V	0.2 V	3.14 K Ω
3 KHz	4.4 V	1.6 V	94.2 K Ω
10 KHz	4.6 V	1.4 V	341 K Ω
15 KHz	5.2 V	0.8 V	471 K Ω
20 KHz	5.2 V	0.8 V	628 K Ω

Fig.3



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Fig.4



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Fig.5

